

FIG. 1

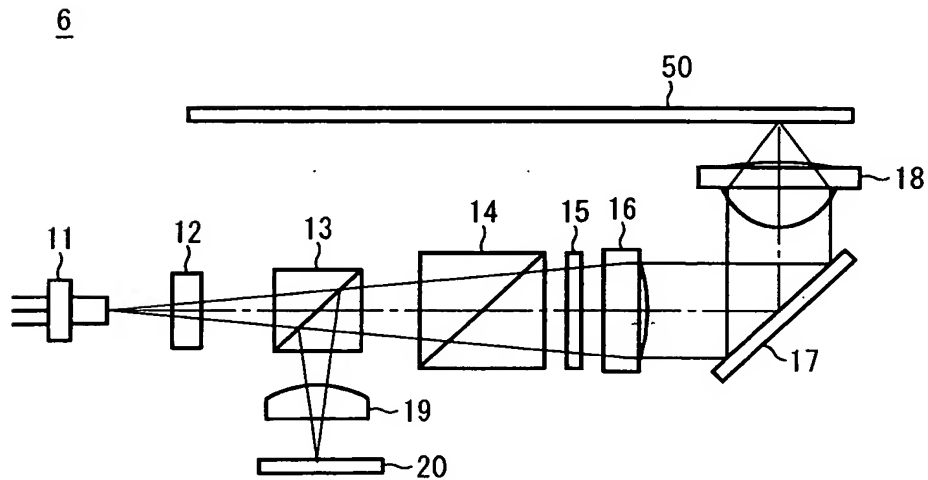


FIG. 2

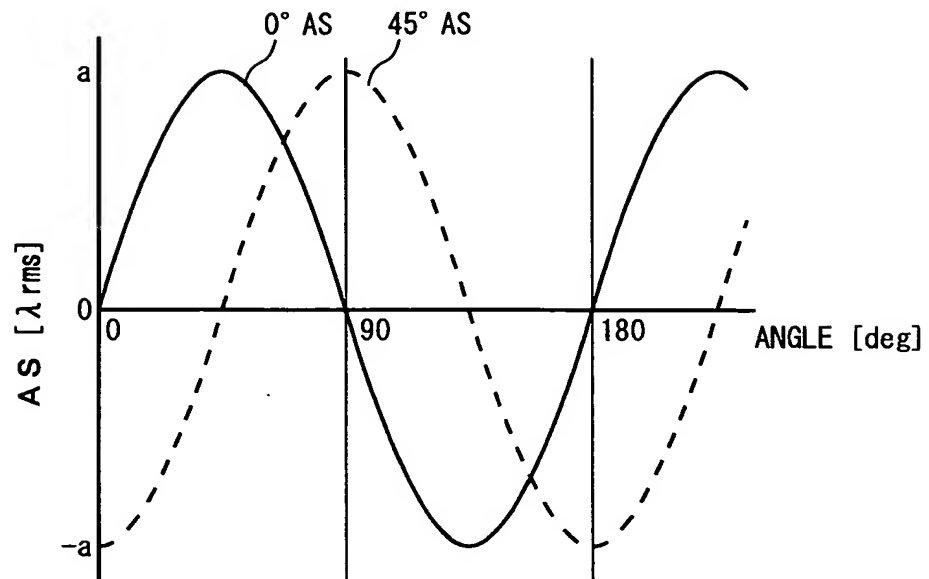


FIG. 3

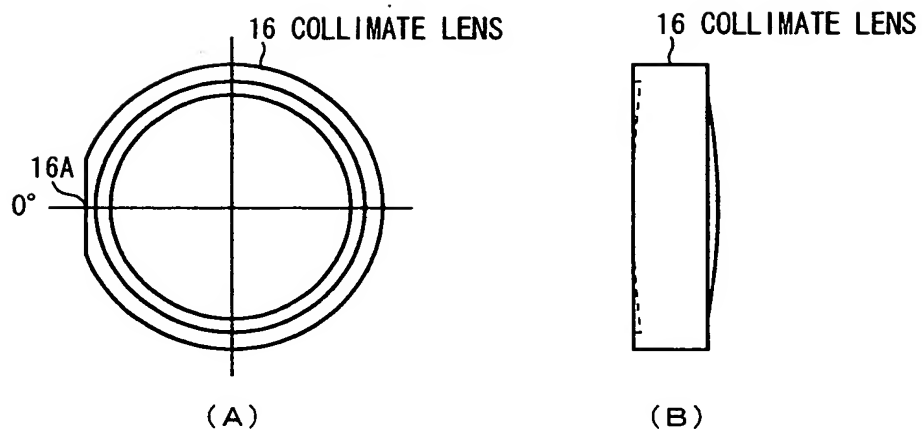


FIG. 4

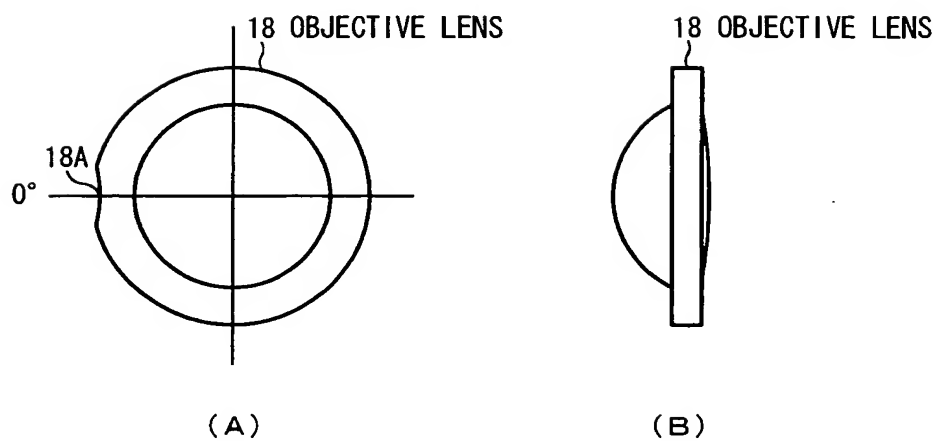


FIG. 5

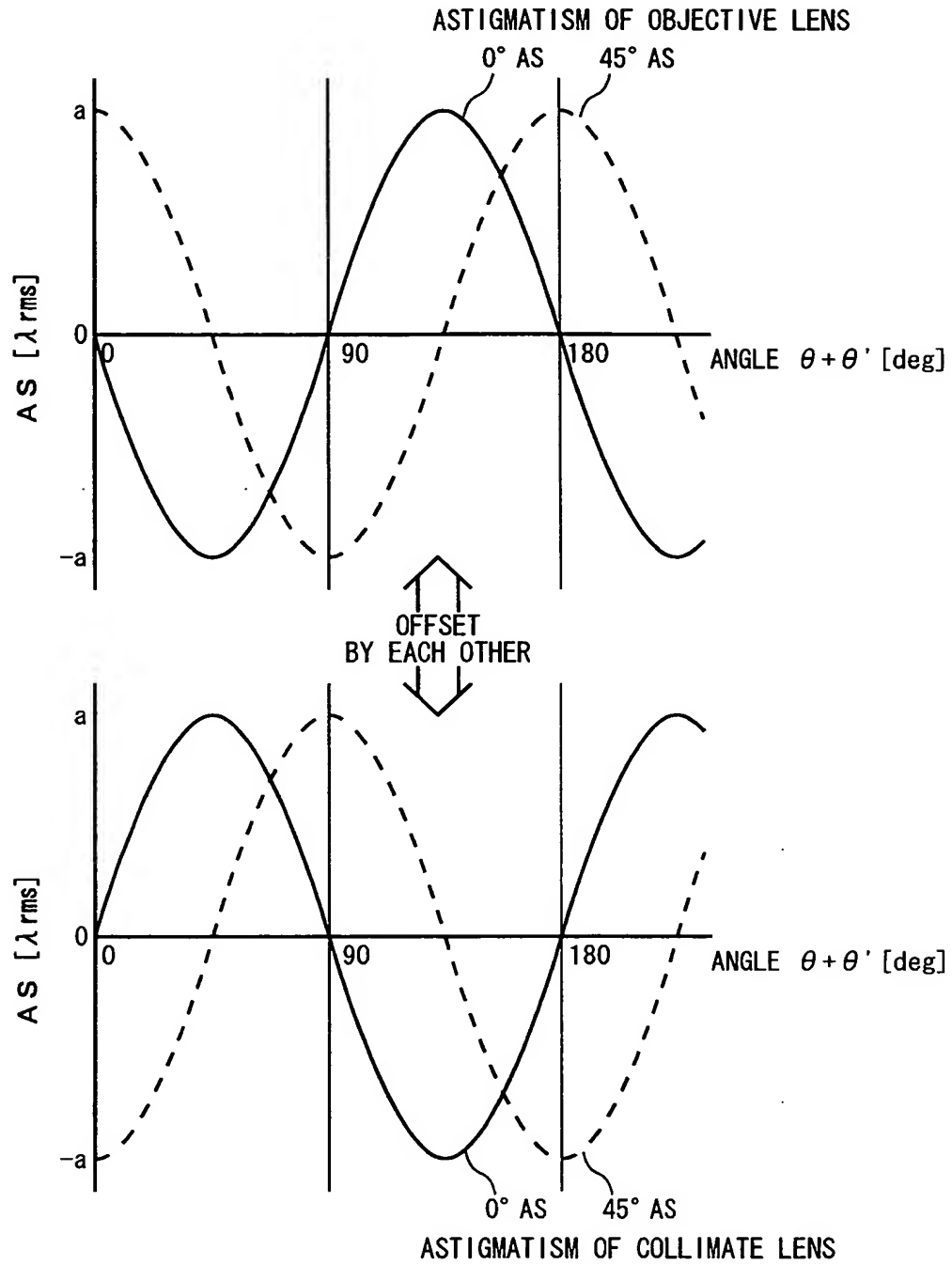


FIG. 6

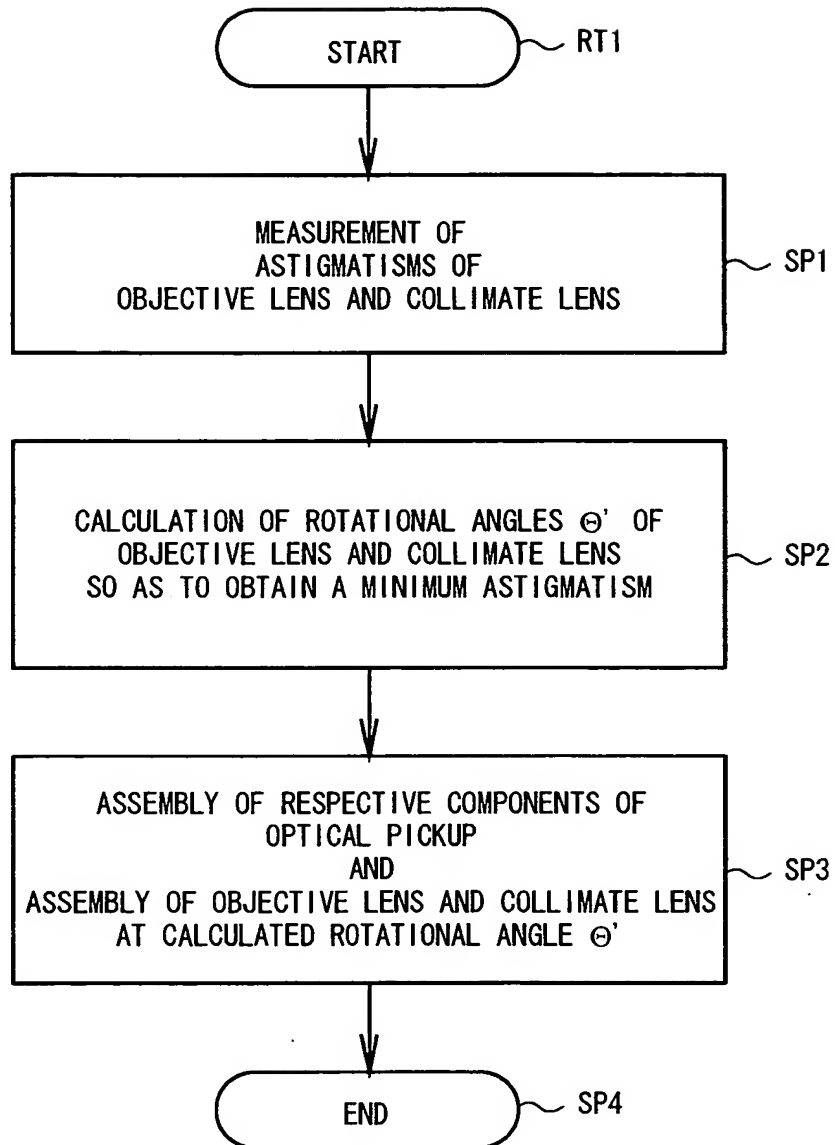


FIG. 7

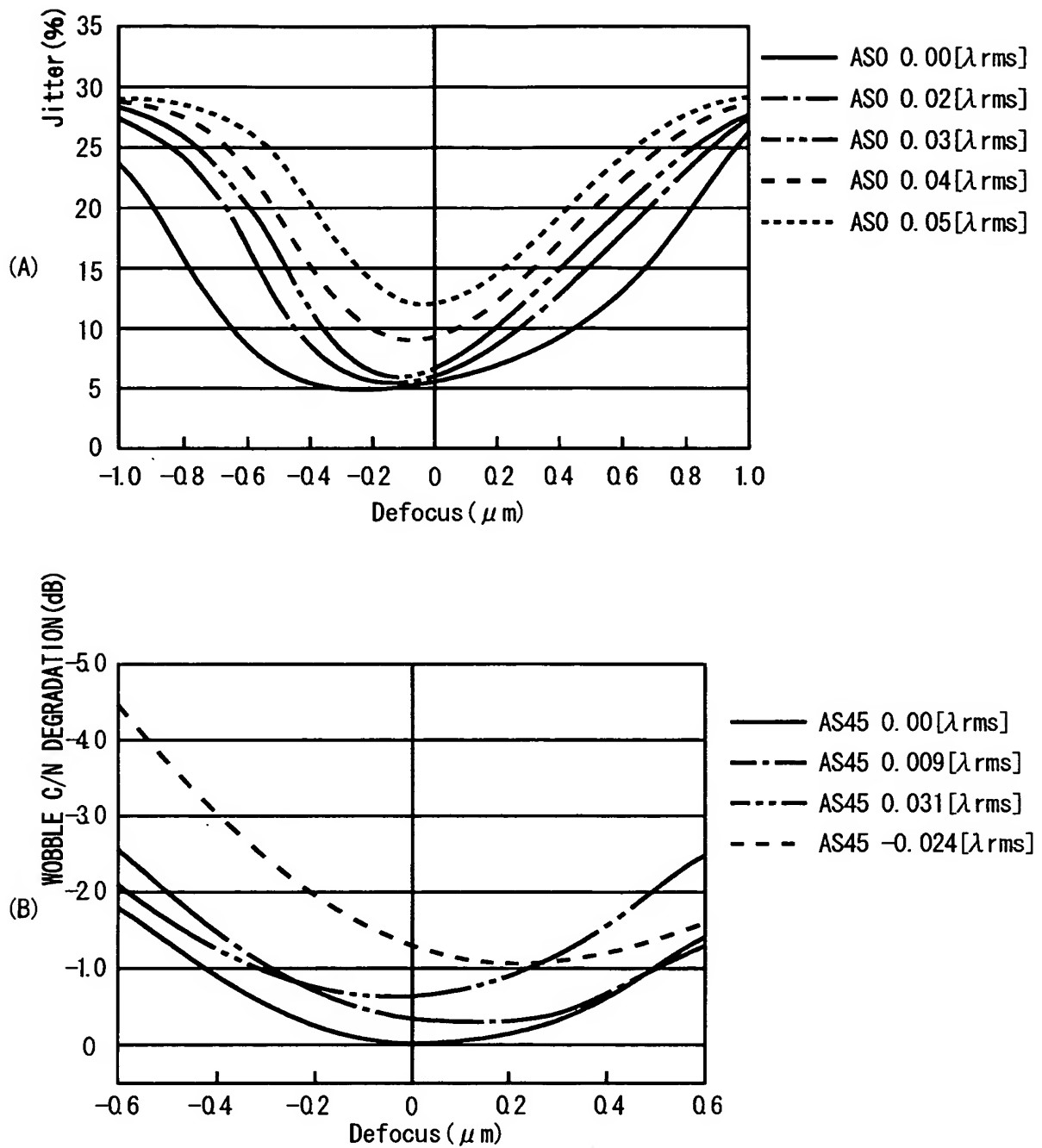


FIG. 8

| | WITH ASTIGMATISM OFFSET | | WITHOUT ASTIGMATISM OFFSET | |
|----------------|-------------------------|-------|----------------------------|-------|
| | OAS | 45AS | OAS | 45AS |
| average | -0.2 | 0.1 | 0.0 | 0.0 |
| σ | 11.3 | 11.7 | 9.1 | 7.8 |
| ave+3 σ | 33.9 | 35.2 | 27.4 | 23.4 |
| ave-3 σ | -34.2 | -35.0 | -27.4 | -23.4 |

[λ rms]

FIG. 9

DESCRIPTION OF SYMBOLS

1 OPTICAL DISK APPARATUS, 2 CONTROL SECTION, 3 SERVO CIRCUIT,
4 SPINDLE MOTOR, 5 FEED MOTOR, 6 OPTICAL PICKUP,
7 SIGNAL PROCESSING SECTION, 11..... LASER DIODE, 12 GRATING,
13 DEFLECTED BEAM SPLITTER, 14 BEAM SPLITTER, 15 WAVELENGTH PLATE,
16 COLLIMATE LENS, 17 ERECTING MIRROR, 18 OBJECTIVE LENS,
19 LIGHT-GATHERING LENS, 20 PHOTO DETECTOR, 50 OPTICAL DISK